

ABSTRACTALTERNATING CURRENT MACHINES

5        An AC generator comprises a rotor 25 within a  
stator 24. The rotor carries a fan 27 at one end of  
the stator. The fan 27 is within a casing 30 which  
forms volute discharge passages 32. The fan 27 has  
blades 31 which project from the hub 28 at an angle  
10       which is oblique to the radial whereby those blades 31  
trail the radial. The stator windings 23 form terminal  
leads 34 which are led from the end of the stator 24  
remote from the fan 27. A circumferential array of  
cleats 35 which each have the form of a comb, support  
15       and guide the terminal leads 34 circumferentially,  
spaced from one another, to a certain location at the  
top from which the leads are taken and connected to  
terminals above. Those terminals are formed by the  
lower ends of busbars (56 to 58, 61 to 69) which  
20       extend through and which are supported by a structural  
panel of insulating material which forms an insulating  
barrier between the ends of those busbars. The upper  
end of each of those busbars forms the power output  
terminals U, V and W and the neutral terminals of the  
25       machine.